BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

						Estimate Cost Rs.		7500000.00	

Name of Work: Detailed Estimate for the work of Construction of roads and drains at Chikkabettahalli and surrounding ares in ward no - 03.

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1,Earth work excavation by manual means in ordinary soil involving an average horizontal throw up to 2 meters and an average lift uo to 1.5m,excavated surface levelled and sides neatly dresssed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications (Item no19.1,Page no143, PWD SR 2018-19)	cum							
	for RCC drain								
	main road		2	135.00	1.00	1.00	270.00		
			2	50.00	1.00	1.00	100.00		
	cross roads		2	25.00	1.00	1.00	50.00		
			1	30.00	1.00	1.00	30.00		
			2	35.00	1.00	1.00	70.00		
			2	45.00	1.00	1.00	90.00		
			2	30.00	1.00	1.00	60.00		
	culverts		1	45.00	1.00	1.00	45.00		
	desilting of existing drains		5	6.00	1.50	1.00	45.00		
			2	160.00	0.60	0.45	86.40		
			1	100.00	0.60	0.45	27.00		
			2	150.00	0.60	0.60	108.00		
			2	210.00	0.60	0.60	151.20		
			2	250.00	0.60	0.60	180.00		
			1	300.00	0.60	0.60	108.00		
			2	200.00	0.60	0.60	144.00		
							1564.60	**137.80**	**215602.00**
	Basic Rate	130.00							
	Area Weightage 6%	7.80							
	Grand Total	137.80							
2	KSRB 100-1 Loading and unloading ofstone aggregates / sand/ kanker/ Moorum /soil KSRRB M100-1 Placing tipper at loading with front end loader dumpting turning for return trip excluding time for haulged and return trip complete as per specification item No 17.1 page 130 and KSRB M.100.4.1 costof haulage excluding loading and unloading MORTH to a distance of 4 00 K.M (Item No 17.4 Page 136 (SR 2018-19)	cum							
			Vide Item No. 1				**1564.60**	**87.56**	**136990.00**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic Rate for loading and unloading	57.00							
	Basic Rate for Haulage upto 8.00 k.m =1.28 X 2 50 X 8	25.60							
	Basic Rate	82.60							
	Area Weightage 6%	4.96							
	Grand Total	87.56							
3	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No.KBS	**Cum**							
	for RCC drain								
	main road		2	135.00	1.00	0.15	40.50		
			2	50.00	1.00	0.15	15.00		
	cross roads		2	25.00	1.00	0.15	7.50		
			1	30.00	1.00	0.15	4.50		
			2	35.00	1.00	0.15	10.50		
			2	45.00	1.00	0.15	13.50		
			2	30.00	1.00	0.15	9.00		
			1	45.00	1.00	0.15	6.75		
	culverts		5	6.00	1.50	0.15	6.75		
	road cutting portion		15	6.00	1.00	0.15	13.50		
							127.50	**5408.12**	**689535.00**
	Basic Rate	5102.00							
	Area Weightage 6%	306.12							
	Grand Total	5408.12							
4	Providing and laying Plain /reinforced cement concrete for side drains wall and bottom thickness 15cm using M20 nominal mix concrete with OPC cement at 300kg with 20mm and down size granite metal coarse aggregate at 0.69 cum and fine aggregate at 0.43 cum machine mixed well compacted for walls at bottom including centring shuttering cost of materials HOM of machineries curing etc completeexcluding cost of steel as per MORTH specification No.1500,1700,2200 Page No 271 Ite mo 37.59.2 SR 2018-19	**Cum**							
	RCC bed								
	main road		2	135.00	0.90	0.15	36.45		
			2	50.00	0.90	0.15	13.50		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	cross roads								
			2	25.00	0.90	0.15	6.75		
			1	30.00	0.90	0.15	4.05		
			2	35.00	0.90	0.15	9.45		
			2	45.00	0.90	0.15	12.15		
			2	30.00	0.90	0.15	8.10		
	culverts		1	45.00	0.90	0.15	6.08		
	Side walls		5	6.00	1.20	0.30	10.80		
	main road								
		2x2	4	135.00	0.15	0.75	60.75		
	cross roads	2x2	4	50.00	0.15	0.75	22.50		
		2x2	4	25.00	0.15	0.75	11.25		
		1x2	2	30.00	0.15	0.75	6.75		
		2x2	4	35.00	0.15	0.75	15.75		
		2x2	4	45.00	0.15	0.75	20.25		
		2x2	4	30.00	0.15	0.75	13.50		
			2	45.00	0.15	0.75	10.13		
	culverts	5x2	10	6.00	0.30	0.90	16.20		
	road cutting portion		15	6.00	1.00	0.10	9.00		
	Basic Rate	6670.00					**293.40**	**7070.20**	**2074397.00**
	Area Weightage 6%	400.20							
	Grand Total	7070.20							
5	KSRB 4.9.2 providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. TMT bars Fe 500 KBS 4.6.3 Page No. 18/ Item No. 4.46/ PWD SR 2018-19	**Tonne**							
	for RCC drain 65 kg/cum		0.065	**257.40**			16.73		
	for culvert 80 kg/cum		0.080	**27.00**			2.16		
				284.40			**18.89**	**75223.96**	**1421056.00**
	Basic Rate	70966.00							
	Area Weightage 6%	4257.96							
	Grand Total	75223.96							
6	RCC Precast covering slab for drain (10cm thick)	**sqm**							
	main road		2	135.00	0.90		243.00		
			2	50.00	0.90		90.00		
	cross roads		2	25.00	0.90		45.00		
			1	30.00	0.90		27.00		
			2	35.00	0.90		63.00		
			2	45.00	0.90		81.00		
			2	30.00	0.90		54.00		
			1	45.00	0.90		40.50		
			4	20.00	0.90		72.00		
	missing slabs		1	15.00	0.90		13.50		
							729.00	**2337.00**	**1703673.00**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Rate Approved by BBMP	2337.00							
7	Providing precast slab of 250 mm thick including cost of all materials, labour, curing,transportation,loading ,unloading,etc ,complete as per the direction of engineer in charge-	sqm							
		5	10	1.20	0.60		36.00		
	Data Rate	5418.00					36.00	5418.00	195048.00
	KRIDL 4%						Sub Total		6A:363801.00 6463643.90
	DMC CHARGES 0.50%.						257452		258546
8	GST of 12% as per Govt Letter No PWD 65 RDF 2017 Dated 11-10-2018.								32182.00 7#23856-12 775637.27
9	Miscellaneous charges								1709.00 2173.00
								Total	7500000.00

(Rupees seventy five Lakhs Only)

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of 2018-19
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Ramalingeeradi.
Assistant Engineer

Assistant Executive Engineer
Yelahanka Satellitetown Sub Division
B.B.M.P. Bangalore-64

Executive Engineer
Yelahanka Division
Bangalore-64

Approved Data Rate copy to be Enclosed.

ADMINISTRATIVELY SANCTIONED FOR Rs. 75.00 lakhs.
Rupees Seventy five thousand only
Under 003-19-000017

Registered as EE ( ) No 9.....9....
Subject to conditions contained in enclosed memo EE ( ) No /9/...
Dt Estimate A/C sanctioned
J.C(4) BA/AS/11/18
dated 5-12-2018 Rs 75.00 lakhs

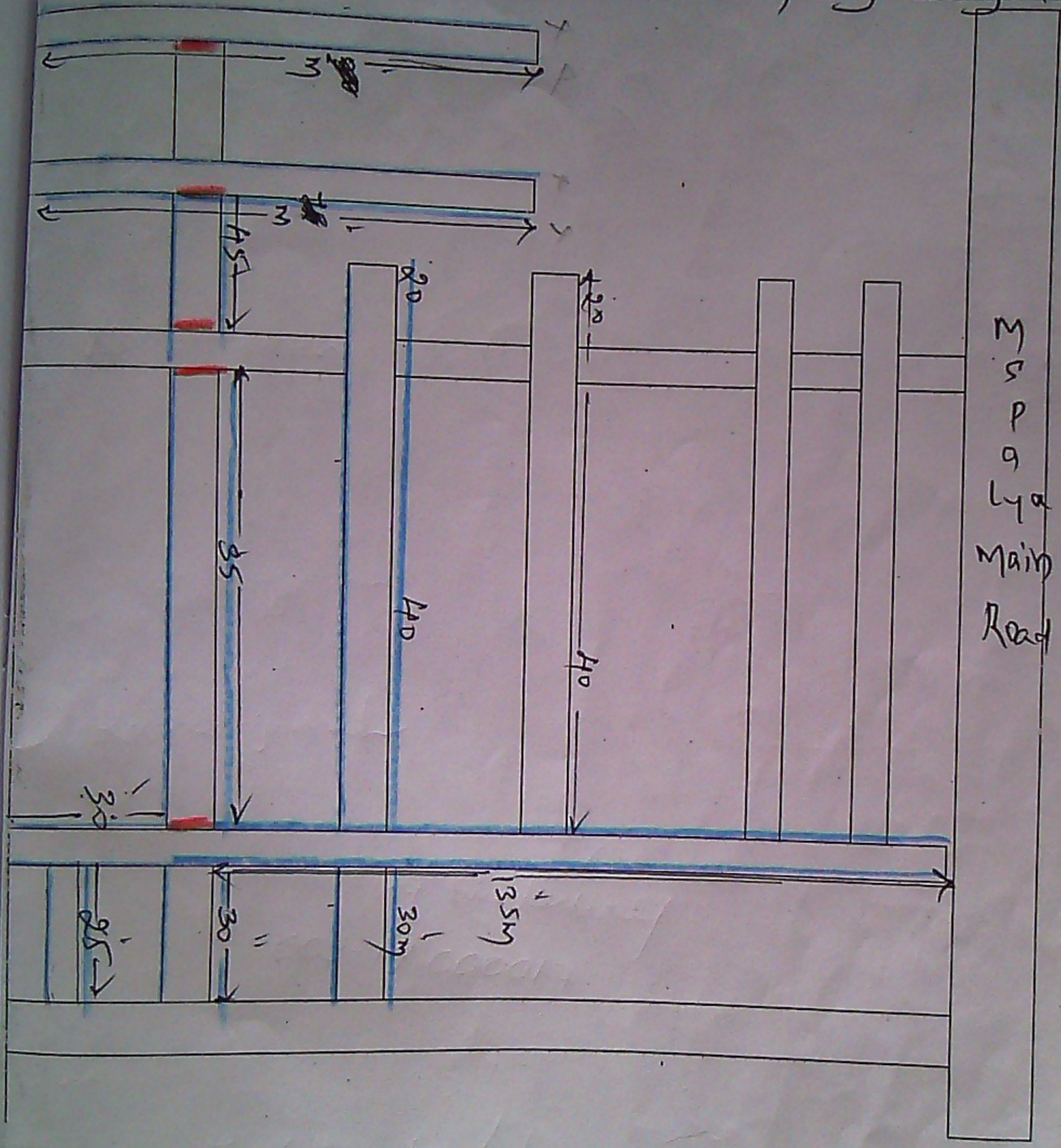
Technical Sanction
Accorded For Rs 75.00 lakh
Head of A/C P1878
CER NO :...120/18-19 Dt:..05-12-2018

TA

EE (YNK)

Joint Commissioner
(Yelahanka Zone)
BBMP. Bengaluru-92,

Name of work:- Construction to Road & drains @ Chikkabettahalli & sourrounding areas in Ward 3



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Proposed Rce drain

Culvert.

A.E. Rameshjeard

A.E.E

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